

# Tyler J Milstein

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Picosecond Quantum Cutting Generates Photoluminescence Quantum Yields Over 100% in Ytterbium-Doped CsPbCl <sub>3</sub> Nanocrystals. <i>Nano Letters</i> , 2018, 18, 3792-3799.	9.1	292
2	Quantum-Cutting Ytterbium-Doped CsPb(Cl <sub>1-x</sub> Br <sub>x</sub> ) <sub>3</sub> Perovskite Thin Films with Photoluminescence Quantum Yields over 190%. <i>ACS Energy Letters</i> , 2018, 3, 2390-2395.	17.4	136
3	Anion Exchange and the Quantum-Cutting Energy Threshold in Ytterbium-Doped CsPb(Cl <sub>1-x</sub> Br <sub>x</sub> ) <sub>3</sub> Perovskite Nanocrystals. <i>Nano Letters</i> , 2019, 19, 1931-1937.	9.1	114
4	Flat-Band Potentials of Molecularly Thin Metal Oxide Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11539-11547.	8.0	92
5	Quantum-cutting Yb <sup>3+</sup> -doped perovskite nanocrystals for monolithic bilayer luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9279-9288.	10.3	67
6	Photoluminescence Saturation in Quantum-Cutting Yb <sup>3+</sup> -Doped CsPb(Cl <sub>1-x</sub> Br <sub>x</sub> ) <sub>3</sub> Perovskite Nanocrystals: Implications for Solar Downconversion. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12474-12484.	3.1	47
7	speciation and energy-transfer dynamics in quantum-cutting Yb <sup>3+</sup> -doped CsPb(Cl <sub>1-x</sub> Br <sub>x</sub> ) <sub>3</sub> perovskite nanocrystals. <i>Physical Chemistry Letters</i> , 2020, 4, 1-10.	2.4	33
8	Modular Zwitterion-Functionalized Poly(isopropyl methacrylate) Polymers for Hosting Luminescent Lead Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2021, 33, 3779-3790.	6.7	24
9	Ubiquitous Near-Band-Edge Defect State in Rare-Earth-Doped Lead-Halide Perovskites. <i>Chemistry of Materials</i> , 2022, 34, 3759-3769.	6.7	11